

Title (en)

One-stage voltage level shift circuit and system using the same

Title (de)

Einstufen-Spannungspegelumsetzungsschaltung und deren Verwendung in einem System

Title (fr)

Circuit de translation de niveau de tension à un étage et système d'utilisation associé

Publication

EP 1317067 B1 20080820 (EN)

Application

EP 02258337 A 20021203

Priority

- US 33453201 P 20011203
- US 22724802 A 20020826

Abstract (en)

[origin: EP1317067A2] A system and method for level shifting a core, lower voltage in a one-stage level shift device to produce a higher, driving voltage. The system includes a first device that optimally functions with a first voltage and that outputs the first voltage. The system also includes a one-stage level shift device that receives the first voltage and shifts the first voltage to a second voltage without an intermediate voltage, the second voltage being higher than the first voltage. The system also includes a second device that receives the second voltage to optimally function. In some cases, the first voltage can be a periodic wave such that the higher voltage is produced with one portion of the level shift device during a first portion of the wave and another portion of the level shift device during a second portion of the wave. <IMAGE>

IPC 8 full level

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